SIEMENS

ARCADIS Avantic

[redacted] SP

Planning Guide

System

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Document revision level

The document corresponds to the version/revision level effective at the time of system delivery.

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General notes

- With distribution of these revision level, all preceding planning guides, Speed - Infos (PG's) and drafts lose their validity.

- All layouts issued by the Planning Departments must bear a note referring to the installation and delivery conditions of Siemens Medical Engineering. The installation and delivery conditions must be submitted with the layouts.

- Unless otherwise specified, all dimensions are indicated in "mm".

⧫ - The symbol indicates a change (see revision status).

⊕ - Orientation points
Points specific to system components to which reference is made when positioning system components to each other or in the room.
The isocenter of a radiographic system is always illustrated as the orientation point.

- Fixpoints
Clearly marked points on system components, installation ceiling, walls or floor on which cable outlets are located.
Illustration in the drawings: octagon with letter/number-combination.
The cable lengths specify the maximum fixpoint distances and thus the maximum distances between the individual system components.

- Room height
The room height is the distance measured from the top surface of the floor to the bottom surface of the ceiling structural elements (Unistrut rails) (bottom surface of drop ceiling).

- Room lighting
According to DIN 68 68-57 (international standard in preparation), the lighting in rooms in which image playback devices (monitors) are used for diagnosis, the following requirements must be met:

  adjustable, no anti-glare screen, reproducible adjustment of the lighting (e. g. dimmer with scala),

  no glare or reflection from windows, lights and light boxes in the standard working position of the monitors.

Hotline + 49 (9191) 18 - 8080

Safety

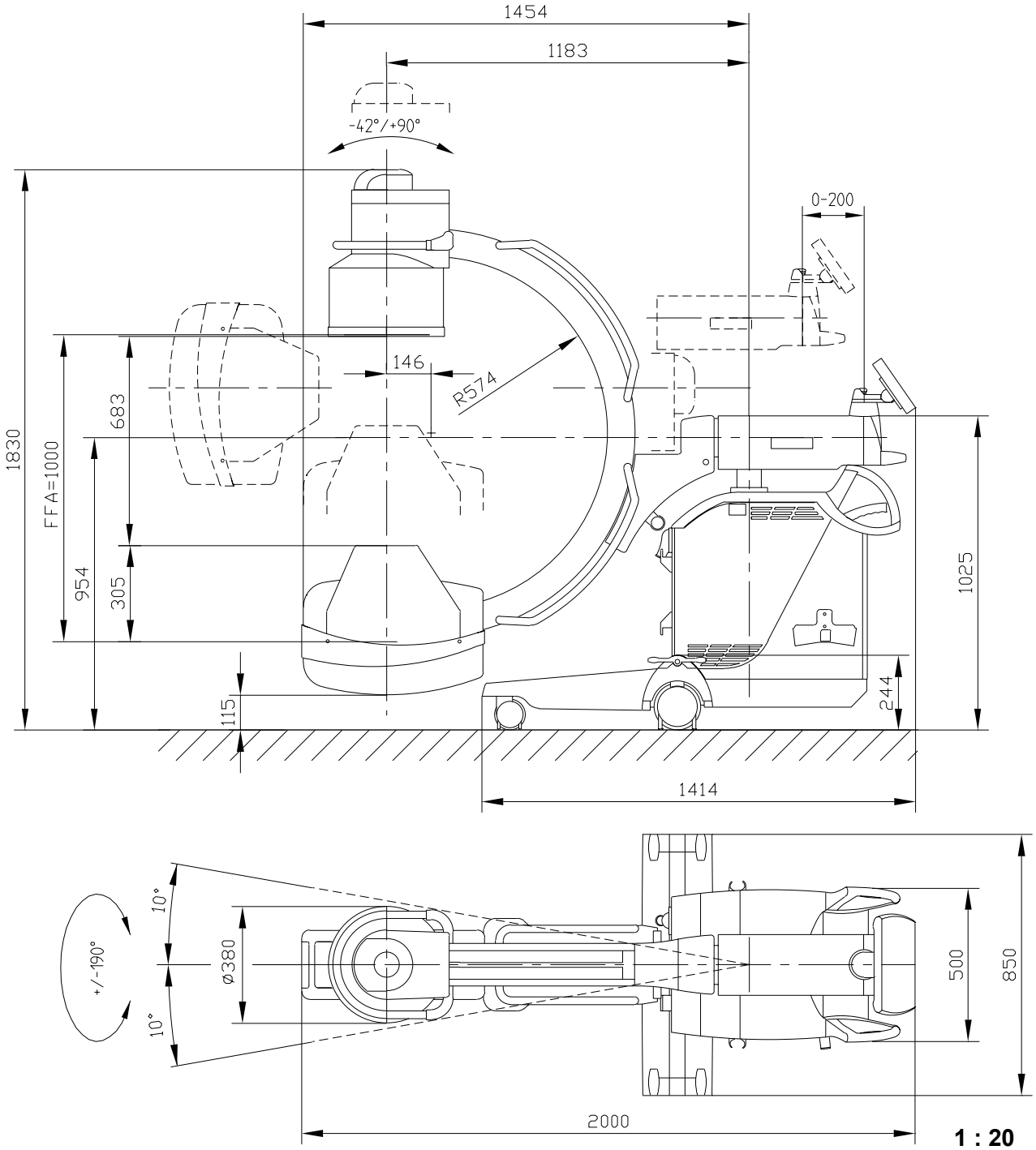
- The provisions of the relevant fire safety regulations must be observed for the premises.

- The system has been developed according to EN 60601 - 1.

- Minimum dimensions (e. g. room heights, safety distances) indicated in the planning guides are marked "min."

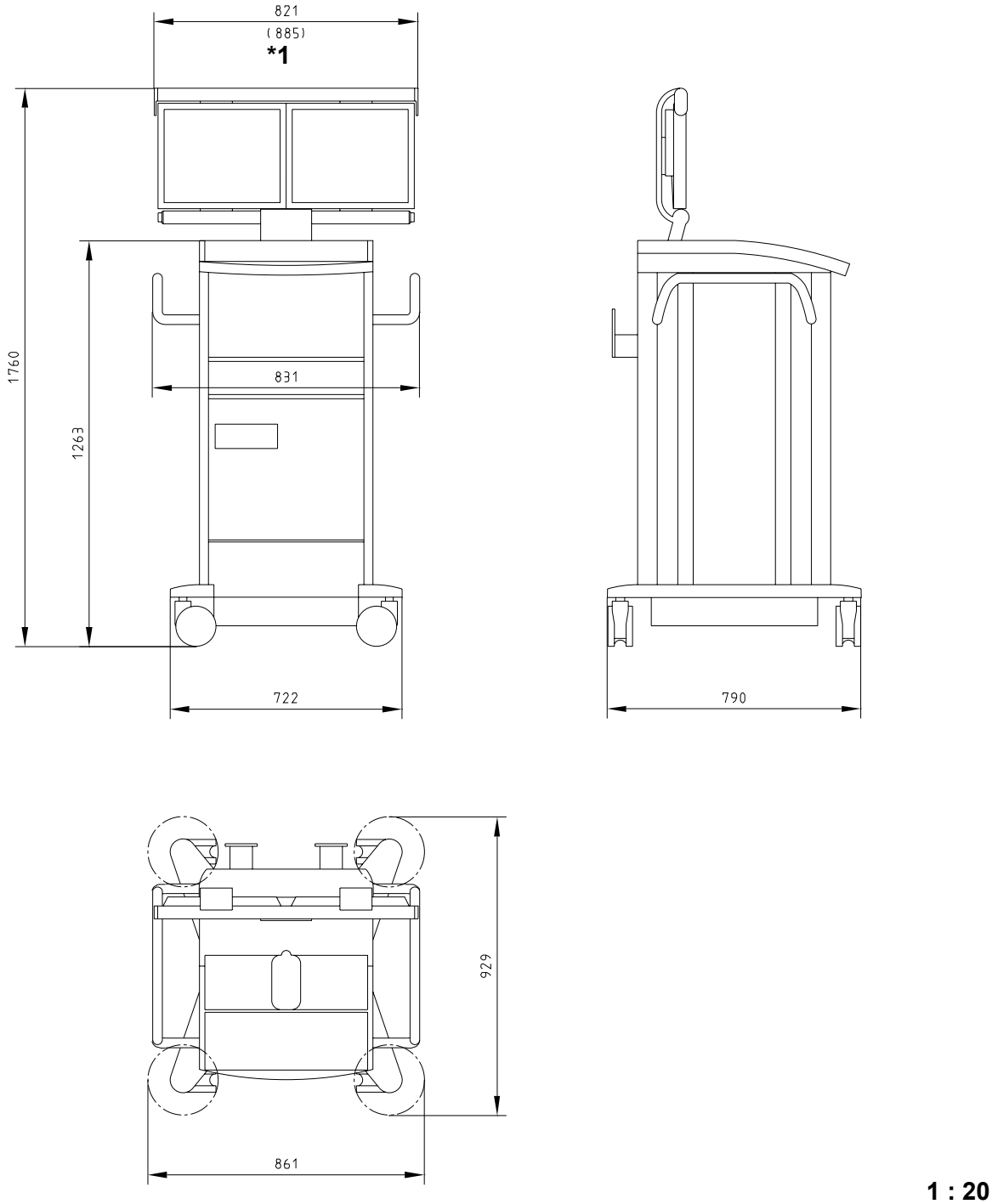
- Basic strength against electromagnetic sources of interference .
  Result of lightning discharges.
  The protection targets of the different lightning protection areas up to the unit connection are also specified in the IEC 1024, DIN 48810, VDE 0675 and in the DEMVT recommendations.

Dimensions of the ARCADIS Avantic with 33 cm (13") X-Ray Image Intensifier



Horizontal travel:	200 mm
Vertical travel:	380 mm
Angulation:	± 190°
Orbital swivel range:	90°/42°
Horizontal swivel range:	± 10°

Dimensions of the Monitor Trolley

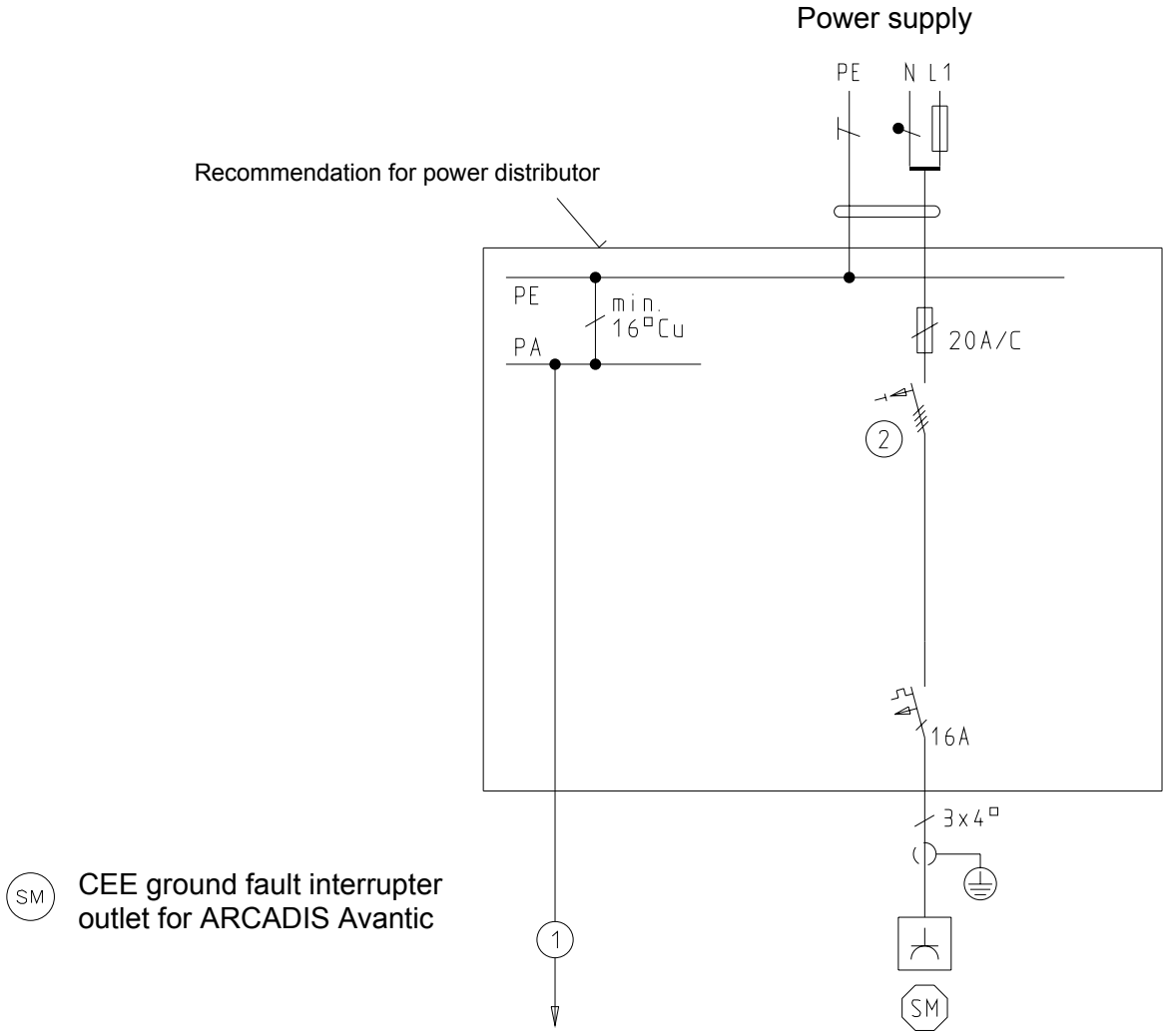


1 : 20

*1 Option black/white TFT monitor

Building Electrical Installation

Recommendation for on-site power distributor per DIN VDE 0100-710 national regulations



1 To external, conductive parts

2 FI - switch 63 A/$I_{\Delta N}$ 30 mA, U_N = 400/415 V ~ for alternating and pulsing direct current faults (recommendationing: Siemens FI 5SZ3 466 0KG05 All-current sensitive or ABB No. F 804 - 63 / 0.03. Order from ABB Stotz; contact Heidelberg Tel. 06221 701-00).
For other power line voltages, an appropriate Fi - switch must be obtained locally.

The listed fuse ratings apply for an operating voltage of 230 V 1 ~ / 400 V 3 ~
If there are fluctuating operating voltages, the fuse ratings must be changed to conform to national regulations.

NOTE	**In the USA, a 110 V or 230 V connector is in the shipment as defined in the order (USA standard connection design).**

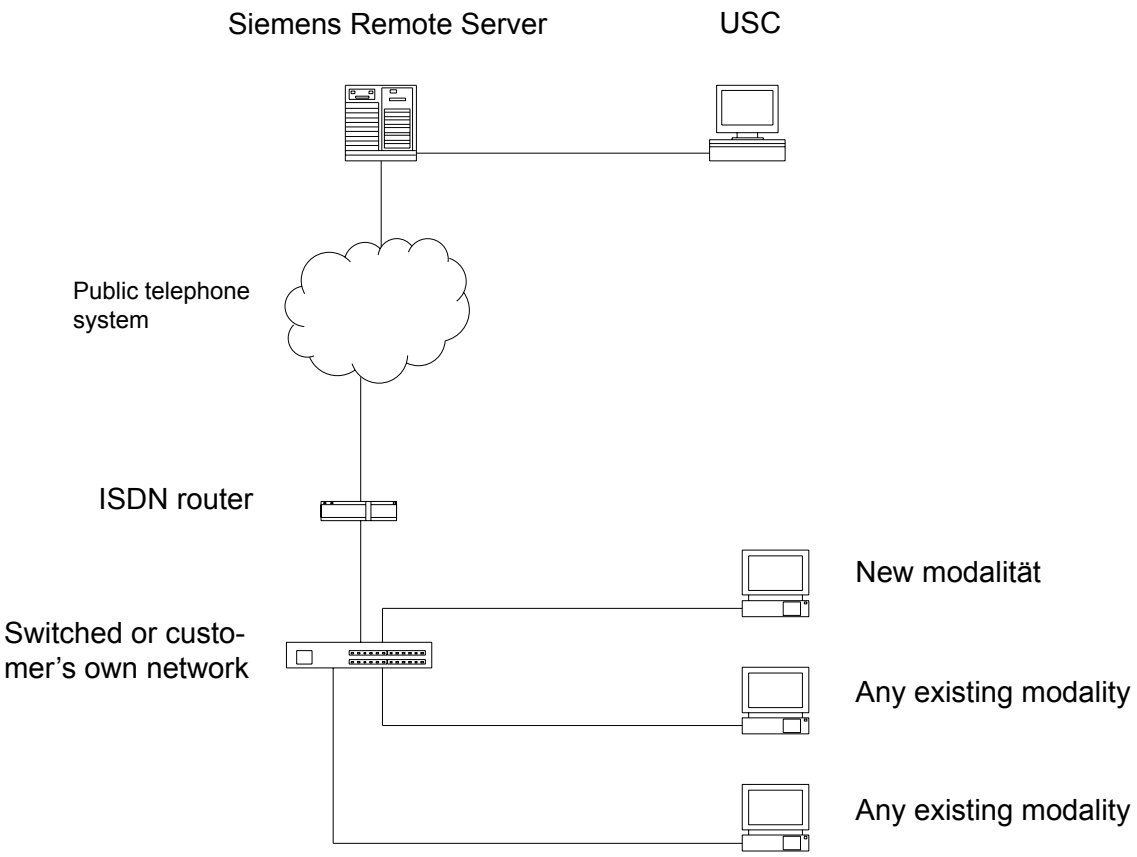
NOTE

New Power Cable for Units Shipped to Great Britain/Irland.

Since Juli 2003, systems shipped to GB/IE include a new power cable with a country-specific power connector.

The cable length has been reduced to 5 m to meet all regulations and standards.
The connector includes an additional 13 A slow-blow fuse.
The values of the internal fuses in the systems (fuse F1 and F2) are not affected.

SIEMENS Remote Services™ (SRS)



Remote diagnostics and "Pro-active Event Management" require remote LAN access to our systems. A router is required for this, which we provide to our customers at no charge during the warranty period and beyond that period if a service contract is concluded.

The router remains the property of Siemens AG. The required telephone connection (preferably ISDN) and the power supply must be provided on site. Even if several Siemens systems are connected to the same data net, only a single central router is required.

Of course, we observe the confidentiality of patient data in the framework of remote diagnostics and have provided security against access to it. Further information on the topic of data security can be found in the system-specific publications.

NOTE	**For detailed information about SIEMENS Remote ServicesTM (SRS) see PG TDIT-000.891.01... can be found on the Intranet under: CS/ForService/Planning/General...**

NOTE	**For the on-site requirements for SRS, see Page 3-1.**

Network

The image system is equipped with a network card for Fast Ethernet (1000 Base T).

DICOM

For detailed information about DICOM, see PG TDIT-000.891.02...
Can be found on the Intranet under: CS/ForService/Planning/General...

Electrical Data

	Line voltage connection *1 V	Fuses (internal) A	Internal line impedance Ω	Power consumption kVA
ARCADIS Avantic	100/110/120/127 200/230/240 ± 10 % 50/60Hz ± 1Hz	15 slow-blow from 200 V 20 slow-blow up to 127 V	≤ 0.30 100/110/120/127 V ≤ 0.80 200/230/240 V	Short-term: 2.9 long-term: 1.65

*1 The range can be set depending on the BZ.

Weight and Heat Dissipation

	Weight [**kg**]	**Heat dissipation** [**W**]
ARCADIS Avantic with 33 cm I.I.	approx. 350	approx. 550
Monitor trolley	approx. 180	approx. 150

Environmental Conditions

ARCADIS Avantic	**Operation**	**Transport / Storage**
Adm. ambient temperature	+ 15° C ... + 35° C	- 20° C ... + 37.5° C
Adm. rel. humidity	15 % ...75 %	10 % ... 95 %

Packaging and Transport Routes

Largest crate	L 2300 x W 990 x H 2100 mm
Heaviest single component with 33 cm I.I.	approx. 350 kg without packing approx. 500 kg included packing (standard packing) approx. 650 kg included packing (overseas packing)
Min. door width for transporting (without packing)	min. 860 mm door width

Surface Colors

Primary color	Medical White C610
Combination color	Medium Basic C701; Medical Blue C750

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